



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

## INDEX TO VOL. X.

**A**BSORPTION, cutaneous, experiments on the influential circumstances of, 122.  
 Acetic acid, on the synthesis of, 4.  
 Acids, behaviour of aldehydes with, 108.  
 Addison (W.) on the effects produced in human blood-corpuscles by sherry wine, 186.  
 Air-currents, on the producing forces of, 235.  
 Aldehydes, behaviour of, with acids, 108.  
 Alkaloids, new volatile, given off during putrefaction, 341.  
 Alloys, specific gravity of, 12.  
 ——, on the electric conducting power of, 205; on the specific gravity of, 207; on the expansion of, 315.  
 Amalgams, conductivity of, 14.  
 Andrews (T.) on the volumetric relations of ozone and the action of the electrical discharge on oxygen and other gases, 427.  
 Anniversary Meeting, Nov. 30, 1859, 160, i.  
 Annual Meeting for election of Fellows, June 1859, 95; June 1860, 494.  
 Aqueous vapour, relations between the elastic and motive force of, 461.  
 Arc, on the curvature of the Indian, 197, 648.  
 Arithmetical progressions, propositions upon, 1.  
 Attraction of solids, on the analytical theory of, bounded by surfaces of a class including the ellipsoid, 181.  
 Azobenzol, contributions towards the history of, 585.  
 Babbage (C.), observations on the discovery in various localities of the remains of human art mixed with the bones of extinct races of animals, 59.  
 Babington (B. G.) on spontaneous evaporation, 127.  
 Baché (A. D.), elected foreign member, 473.  
 Bakerian Lecture.—Experimental re-

VOL. X.

searches to determine the density of steam at all temperatures, and to determine the law of expansion of superheated steam, 469.  
 Beale (L. S.) on the distribution of nerves to the elementary fibres of striped muscle, 519.  
 Belgium, severe thunder-storm in, 359.  
 Belper (Lord Edward), election of, 404.  
 Bentham (G.), Royal Medal awarded to, 176.  
 Benzidine, contributions towards the history of, 585.  
 Benzylic alcohol, on a new homologue of, 298.  
 Blakiston (Capt.), account of a remarkable ice shower, 468.  
 Blood-corpuscles, effects produced in, by wine, 186.  
 Boiling-point, the relation between it and composition in organic compounds, 463.  
 Boric ethide, on, 568.  
 Brayley (E. W.), notes on the apparent universality of a principle analogous to regulation, on the physical nature of glass, and on the probable existence of water in a state corresponding to that of glass, 450.  
 Brewster (Sir D.) on the lines of the solar spectrum, 339.  
 Bright (R.), obituary notice of, i.  
 Brodhurst (B. E.) on the repair of tendons after their subcutaneous division, 196.  
 Broderip (W. J.), obituary notice of, iv.  
 Brodie (B. C.) on the atomic weight of graphite, 11.  
 Bromethylated triethylphosphonium, metamorphoses of bromide of, 610.  
 Bromphenylamine, on, 589.  
 Bronchial vessels, distribution of, in human lung, 22; communication with pulmonary vessels, 24.  
 Broun (J. A.) on the lunar-diurnal variation of magnetic declination at the magnetic equator, 475.  
 Brown-Séquard (E.), hereditary trans-

- mission of an epileptiform affection accidentally produced, 297.
- Brown-Séquard (E.), experimental researches on various questions concerning sensibility, 510.
- Brunel (I. K.), obituary notice of, vii.
- Bunsen (R. W.), photo-chemical researches (Part IV.), 39.
- Calculus of operations, on an extended form of the index symbol in, 207.
- Calculus of probabilities, application of, to results of measures of the position and distance of double stars, 133.
- Calorimeter, a new, for determining the radiating powers of surfaces, 514.
- Caoutchouc, on, 516.
- Carpenter (W. B.), researches on the Foraminifera (Fourth and concluding series), 506.
- Cartmell (R.) on the behaviour of aldehydes with acids, 108.
- Caves, observations on the discovery of remains of human art and bones in, 60.
- Cayley (A.), Royal Medal awarded to, 173.
- on the equation of differences for an equation of any order, and in particular for the equations of the orders two, three, four, and five, 428.
- on the theory of elliptic motion, 430.
- Chlorphenylamine, on, 589.
- Chowne (W. D.) on the relations between the elastic force of aqueous vapour at ordinary temperatures, and its motive force in producing currents of air in vertical tubes, 461.
- Colour-blindness, remarks on, 72.
- Compass, deviations of, in wood-built and iron-built ships in the Royal Navy, 538.
- Compound colours, theory of, 404, 484.
- Copley Medal awarded to W. E. Weber, 172.
- Copper, electric conductivity of, effect of metals and metalloids on, 460.
- , electric conductivity in wires of, 300.
- Crace-Calvert (F.) on the conductivity of mercury and amalgams, 14.
- on the expansion of metals and alloys, 315.
- on some new volatile alkaloids given off during putrefaction, 341.
- Croonian Lecture.—On the arrangement of the muscular fibres of the ventricular portion of the heart of the mammal, 433.
- Daniell's battery, measurement of electrostatic force produced by, 319.
- Darkness, influence of, on animals, 184.
- Davy (J.) on the electrical condition of the egg of the common fowl, 31.
- De Grey and Ripon (Earl), election of, 473.
- De la Rive (A., For. Mem.), admission of, 433.
- De la Rue (W.) on the resin of the *Ficus rubiginosa*, and a new homologue of benzylic alcohol, 298.
- De Verneuil (P. E. P.), elected foreign member, 473.
- Diabetes, production of, by lesions of the nervous system, 27.
- Diatomic ammonias, 224.
- Dirichlet (P. G. L.), obituary notice of, xxxviii.
- Dobell (H.), supplement to a paper read Feb. 17, 1859, on the influence of white light, of the different coloured rays and of darkness, on the development, growth, and nutrition of animals, 184.
- Donkin (W. F.) on the analytical theory of the attraction of solids bounded by surfaces of a class including the ellipsoid, 181.
- Double stars, application of calculus of probabilities to measures of, 133.
- Duppa (B.) on boric ethide, 568.
- Ear, mode in which sonorous undulations are conducted from the membrana tympani to the labyrinth, 32.
- Earthquake in the kingdom of Naples, 16th of December 1857, report on, 486.
- Electric conductivity, attempt to ascertain cause of differences of, in copper wires, 300.
- discharge through rarefied gases and vapours, 256.
- Electrical discharge *in vacuo* with an extended series of the voltaic battery, 36.
- — —, action of, on ozone and other gases, 427.
- — —, vacua indicated by, 274.
- — —, discharges, application of, to purposes of illumination, 432.
- Electrolytes, movements of, in the voltaic circuit, 235.
- Electromotive force required to produce a spark in air between parallel metal plates at different distances, measurement of, 326.
- Electrostatic force produced by a Daniell's battery, 319.

- Elefanti (F.), propositions upon arithmetical progressions, 1.  
 —, problem on the divisibility of numbers, 208.  
 Elliptic functions, on a new method of approximation applicable to, 474.  
 Elliptic motion, on the theory of, 430.  
 Ellis (A. J.) on the laws of operation, and the systematization of mathematics, 85.  
 — on scalar and elinant algebraical coordinate geometry, introducing a new and more general theory of analytical geometry, including the received as a particular case, and explaining 'imaginary points,' 'intersections,' and 'lines,' 415.  
 Epileptiform affection, hereditary transmission of an accidental, 297.  
 Equation of differences for an equation of any order, 428.  
 Ethylamine, new derivatives of, 104.  
 Ethylene, cyanide of, 574.  
 Evans (F. J.), reduction and discussion of the deviations of the compass observed on board of all the iron-built ships and a selection of the wood-built steam-ships in H.M. Navy, and the iron steam-ship 'Great Eastern,' being a report to the Hydrographer of the Admiralty, 538.  
 Evaporation, spontaneous, 127.  
 Eyes, focal power of, for horizontal and vertical rays, 381.  
 Fairbairn (W.) on the resistance of glass globes and cylinders to collapse from external pressure, and on the tensile and compressive strength of various kinds of glass, 6.  
 —, experimental researches to determine the density of steam at all temperatures, and to determine the law of expansion of superheated steam, 469.  
 Faraday (M.), note on regelation, 440.  
*Ficus rubiginosa*, on the resin of, 298.  
 FitzRoy (R.), remarks on the late storms of Oct. 25–26 and Nov. 1, 1859, 222.  
 —, notice of the 'Royal Charter Storm' in October 1859, 561.  
 Flint-implements in gravel, 50.  
 Fluids in motion, on the thermal effects of, 502, 519.  
 Foraminifera, researches on, 506.  
 Foster (M.) on the effects produced by freezing on the physiological properties of muscles, 523.  
 Frankland (E.) on boric ethide, 568, 614.  
 Franklin Expedition, report of scientific researches made during search for the, 148.  
 Gaseous bodies, transmission of radiant heat through, 37.  
 Gases and vapours, electric discharge through, 256.  
 Gassiot (J. P.) on the electrical discharge *in vacuo* with an extended series of the voltaic battery, 36.  
 — on the interruption of the voltaic discharge *in vacuo* by magnetic force, 269.  
 — on vacua as indicated by the mercurial siphon-gauge and the electrical discharge, 274.  
 — on the luminous discharge of voltaic batteries, when examined in carbonic acid vacua, 393.  
 — on the application of electrical discharges from the induction coil to the purposes of illumination, 432.  
 Gasteropodous mollusca, on the circulation of, 193.  
 Geometry, analytical, new general theory of, 415.  
 Geuther (A.) on the behaviour of the aldehydes with acids, 108.  
 Gladstone (J. H.) on the lines of the solar spectrum, 339.  
 Glass, tensile and compressive strength of, 6.  
 —, resistance of, to collapse from external pressure, 6; from internal pressure, 8.  
 —, on the physical nature of, 450.  
 Glycol, on the action of acids on, 114.  
 Gore (G.) on the movements of liquid metals and electrolytes in the voltaic circuit, 235.  
 Graphite, atomic weight of, 11.  
 Griess (P.) on a new method of substitution, and on the formation of iodobenzoic, iidotoluylie, and iodonanic acids, 309.  
 —, new compounds produced by the substitution of nitrogen for hydrogen, 591, 644.  
 Gutta percha, insulating properties of, 409.  
 Hallam (H.), obituary notice of, xii.  
 Harley (G.) on the saccharine function of the liver, 289.  
 Hassall (A. H.) on the frequent occurrence of phosphate of lime in the crystalline form in human urine, and on its pathological importance, 281.  
 Heale (J. N.) on the physiological anatomy of the lungs, 645.

- Heart, arrangement of muscular fibres of, 433.  
 Helmholtz (H.), elected foreign member, 473.  
 Henfrey (A.) on the anatomy of *Victoria Regia*, 14.  
 —, obituary notice of, xviii.  
 Herschel (Sir J. F. W.), remarks on colour-blindness, 72.  
 — on the formula investigated by Dr. Brinkley, for the general term in the development of Lagrange's expression for the summation of series and for successive integration, 500.  
 Hicks (J. B.) on certain sensory organs in insects, 25.  
 Hofmann (A. W.), notes of researches on the poly-ammonias: No. VI. new derivatives of phenylamine and ethylamine, 104; No. VII. on the diatomic ammonias, 224; No. VIII. action of nitrous acid upon nitrophenylenediamine, 495; No. IX. remarks on anomalous vapour-densities, 596, 644; No. X. on sulphamidobenzamine, a new base; and some remarks upon ureas and so-called ureas, 598, 644.  
 —, researches on the phosphorus bases: No. VI., 100; No. VII. triphosphonium compounds, 189; No. VIII. oxide of triethylphosphine, 603, 645; No. IX. phosph arsonium compounds, 608, 645; No. X. metamorphoses of bromide of bromethylated triethylphosphonium, 610, 645; No. XI. experiments in the methyl and in the methylene-series, 613, 645; No. XII. relations between the monoatomic and the polyatomic bases, 619, 645.  
 —, contributions to the history of the phosphorus bases, Parts I., II., III., 568, 644.  
 —, contributions towards the history of the monamines: No. III. compound ammonias by inverse substitution, 594.  
 —, researches on the nitrogen bases, 621.  
 Hofmann (P. W.), contributions towards the history of azobenzol and benzidine, 585, 644.  
 Holzmann (M.) on the effect of the presence of metals and metalloids upon the electric conductivity of pure copper, 460.  
 Hopkins (T.) on the forces that produce the great currents of the air and of the ocean, 235.  
 Hopkins (W.) on the construction of a new calorimeter for determining the radiating powers of surfaces, and its application to the surfaces of various mineral substances, 514.  
 Horsfield (T.), obituary notice of, xix.  
 Howard de Walden (Lord), letter on a recent severe thunder-storm in Belgium, 359.  
 Humboldt (A. von), obituary notice of, xxxix.  
 Ice, account of a remarkable shower of, 468.  
 —, theories and experiments at or near melting-point of, 152.  
 Insects, sensory organs in, 25.  
 Insulating bodies, electric properties of, 2.  
 Iodobenzoic acid, new method of substitution and formation of, 309.  
 Iodotoluic acid, new method of substitution and formation of, 309.  
 Isoprene, on, 516.  
 Jenkin (F.) on the insulating properties of gutta percha, 409.  
 Johnson (M. J.), obituary notice of, xxi.  
 Jones (T. W.), analysis of my sight, with a view to ascertain the focal power of my eyes for horizontal and for vertical rays, and to determine whether they possess a power of adjustment, 381.  
 Joule (J. P.) on the thermal effects of fluids in motion, 502; temperature of bodies moving in air, 519.  
 Köllicker (A.) on the frequent occurrence of vegetable parasites in the hard structures of animals, 95.  
 — on the structure of the *chorda dorsalis* of the Plagiostomes and some other fishes, and on the relation of its proper sheath to the development of the vertebræ, 214.  
 —, elected foreign member, 473.  
 Kopp (H.) on the relation between boiling-point and composition in organic compounds, 463.  
 Lacaze-Duthiers (F. J. H.), note respecting the circulation of gasteropodous Mollusca and the supposed aquiferous apparatus of the Lamellibranchiata, 193.  
 —, natural history of the purple of the ancients, 579, 644.  
 Lamellibranchiata, on the supposed aquiferous apparatus of, 193.  
 Lawes (J. B.) on the sources of the nitrogen of vegetation; with special

- reference to the question whether plants assimilate free or uncombined nitrogen, 544.
- Light, influence of different coloured rays of, on animals, 184.
- , radiated by heated bodies, 385.
- , nature of, emitted by heated tourmaline, 503.
- Liquid metals, movements of, in the voltaic circuit, 235.
- Liver, on the saccharine function of, 289.
- , on the alleged sugar-forming function of, 528.
- Lowe (E. J.), a new ozone-box and test-slips, 531.
- on the temperature of flowers and leaves of plants, 534.
- Lowe (G. C.) on the expansion of metals and alloys, 315.
- Lung, human, intimate structure of, 16; distribution of blood-vessels of, 21.
- Lungs, physiological anatomy of, 645.
- M'Clintock (F. L.), report of scientific researches made during the late Arctic voyage of the yacht 'Fox' in search of the Franklin Expedition, 148.
- Magnetic declination, solar-diurnal variation of, at Pekin, 360; lunar-diurnal variation of, 475.
- Magnetic declination at Kew, laws of the phenomena of the larger disturbances of, 624.
- Magnetic force, its interruption of the voltaic discharge *in vacuo*, 269.
- Magnetic storms, increased knowledge of, 624, 634.
- Mallet (R.), report to the Royal Society of the expedition into the kingdom of Naples to investigate the circumstances of the earthquake of the 16th December 1857, 486.
- Mammalia, remains of extinct, in gravel, 50, 59.
- Mathematics, laws of operation and systematization of, 85.
- Matteucci (C.) on the electric properties of insulating or non-conducting bodies, 2.
- on the electrical phenomena which accompany muscular contraction, 344.
- , results of researches on the electric function of the torpedo, 576, 644.
- Matthiessen (A.) on the alloys (Part I.), the specific gravity of alloys, 12, 207.
- on the electric conducting power of alloys, 205.
- on the effect of the presence of metals and metalloids upon the elective conductivity of pure copper, 460.
- Maxwell (J. C.) on the theory of compound colours and the relations of the colours of the spectrum, 404.
- , postscript to a paper on compound colours, &c., 484.
- Membrana tympani, mode in which sonorous undulations are conducted from, to the labyrinth, 32.
- Mercury, conductivity of, 14.
- Merrifield (C. W.) on a new method of approximation applicable to elliptic and ultra-elliptic functions, 474.
- Metals, on the expansion of, 315.
- Methyl and methylene series, experiments in, 613.
- Mills (E. T.) on bromphenylamine and chlorphenylamine, 589, 644.
- Monamines, contributions towards the history of (No. III.), compound ammonias by inverse substitution, 594, 644.
- Müller (H.) on the resin of *Ficus rubiginosa*, and a new homologue of benzylic alcohol, 298.
- Muscles, effects of freezing on the physiological properties of, 523.
- Muscular contraction, on the electrical phenomena of, 344.
- Muscular movements resulting from the action of a galvanic current upon nerve, inquiry into, 347.
- Nerves, distribution of, to the elementary fibres of striped muscle, 519.
- Nervous system, lesions of, producing diabetes, 27.
- Nitrogen bases, 621.
- Nitrogen, new compounds produced by the substitution of, for hydrogen, 591.
- Nitrogen of vegetation, on the sources of; and whether plants assimilate free or uncombined nitrogen, 544.
- Nitrophenylenediamine, action of nitrous acid on, 495.
- Non-conducting bodies, electric properties of, 2.
- Numbers, problem on the divisibility of, 208.
- Ocean currents, on the producing forces of, 235.
- Ozone, on the volumetric relations of, 427.
- Ozone-box, a new, 531.
- Parasites, vegetable, in hard animal structures, 95.
- Pavy (F. W.) on lesions of the nervous system producing diabetes, 27.
- on the alleged sugar-forming function of the liver, 528.

- Pettigrew (J.) on the arrangement of the muscular fibres of the ventricular portion of the heart of the mammal, 433.
- Phenylamine, new derivatives of, 104.
- Phosphorion compounds, 608.
- Phosphate of lime, occurrence of, in a crystalline form in human urine, 281.
- Phosphorus bases, researches on : No. VI., 100 ; No. VII., 189 ; No. VIII., 603 ; No. IX., 608 ; No. X., 610 ; No. XI., 613 ; No. XII., relations between the monoatomic and the polyatomic bases, 619, 645.
- , contributions to the history of, Parts I., II., III., 568.
- Photochemical researches, Part IV., 39.
- Plagiostomes, on the structure of the *chorda dorsalis* of, and on the relation of its proper sheath to the development of the vertebrae, 214.
- Plücker (J.), abstract of a series of papers and notes concerning the electric discharge through rarefied gases and vapours, 256.
- Polariscope, observations made with, during the 'Fox' Arctic Expedition, 558.
- Pollock (Sir F.) on Fermat's theorems of the polygonal numbers (first communication), 571.
- Poly-ammonias, notes of researches on : No. VI., 104 ; No. VII., 224 ; No. VIII., 495 ; No. IX., 596 ; No. X., 598.
- Polygonal numbers, on Fermat's theorems of (first communication), 571.
- Powell (B.) comparison of some recently determined refractive indices with theory, 199.
- Pratt (J. H.) on the curvature of the Indian arc, 197, 648.
- Prestwich (J.) on the occurrence of flint-implements, associated with the remains of extinct mammalia, in undisturbed beds of a late geological period, 50.
- Purple of the ancients, natural history of, 579.
- Quaternary cubics, on, 513.
- Radcliffe (C. B.), an inquiry into the muscular movements resulting from the action of a galvanic current upon nerve, 347.
- Radiant heat, transmission of, through gaseous bodies, 37.
- Rankine (W. J. M.), supplement to a paper read January 27, 1859, on the thermodynamic theory of steam-en-
- gines with dry saturated steam, and its application to practice, 183.
- Refractive indices, comparison of with theory, 199.
- Regelation, note on, 440.
- , on the apparent universality of a principle analogous to, 450.
- Ringer (S.) on the alteration in the pitch of sound by conduction through different media, 276.
- Ritter (K.), obituary notice of, xlvi.
- Roscoe (H. E.), photochemical researches, Part IV., 39.
- Royal Medal awarded to A. Cayley, 173 ; to G. Bentham, 176.
- Ryan (Sir Edward), election of, 289.
- Sabine (E.) on the solar-diurnal variation of the magnetic declination at Pekin, 360.
- on the laws of the phenomena of the larger disturbances of the magnetic declination in the Kew Observatory, with notices of the progress of our knowledge regarding the magnetic storms, 624.
- Salmon (Rev. G.) on quaternary cubics, 513.
- Sensibility, experimental researches on, 510.
- Sheffield (Earl of), election of, 510.
- Sight, analysis of, 381.
- Simpson (M.) on the action of acids on glycol (second notice), 114.
- on cyanide of ethylene and succinic acid (preliminary notice), 574, 644.
- Smith (Lieut.-Col. C. H.), obituary notice of, xxiv.
- Spectrum, relations of the colours of, 404, 484.
- Spottiswoode (W.) on an extended form of the index symbol in the calculus of operations, 207.
- Solar spectrum, on the lines of, 339.
- Sound, alteration of pitch of, by conduction through different media, 276.
- Stanley (Lord Edward), election of, 192.
- Staunton (Sir G. T.), obituary notice of, xxvi.
- Steam, density of, at all temperatures, 469.
- Steam-engines with dry saturated steam, application of thermodynamic theory of, to practice, 183.
- Stephenson (R.), obituary notice of, xxix.
- Stewart (B.), description of an instrument combining in one a maximum and minimum mercurial thermometer invented by Mr. James Hicks, 312.

- Stewart (B.) on the light radiated by heated bodies, 385.  
 —— on the nature of the light emitted by heated tourmaline, 503.  
 Storm of October 1859, notice of the, 561.  
 Storms of Oct. and Nov. 1859, remarks on the, 222.  
 Succinic acid, cyanide of, 574.  
 Sulphamidobenzamine, on, 598.  
 Sunlight, determination of chemical action of, 45.  
 Superheated steam, law of expansion of, 469.  
 Tate (T.), experimental researches to determine the density of steam at all temperatures, and to determine the law of expansion of superheated steam, 469.  
 Temperature of bodies moving in air, 519.  
 —— of flowers and leaves of plants, 534.  
 Tendons, repair of, after subcutaneous division, 196.  
 Thermometer, description of a new maximum and minimum mercurial, 312.  
 Thomson (J.) on recent theories and experiments regarding ice at or near the melting-point, 152.  
 Thomson (W.), analytical and synthetical attempt to ascertain the cause of the differences of electric conductivity discovered in wires of nearly pure copper, 300.  
 ——, measurement of the electrostatic force produced by a Daniell's battery, 319.  
 ——, measurement of the electromotive force required to produce a spark in air between parallel metal plates at different distances, 326.  
 —— on the thermal effects of fluids in motion, 502; temperature of bodies moving in air, 519.  
 Torpedo, on the electric function of, 576.  
 Toynbee (J.) on the mode in which sonorous undulations are conducted from the membrana tympani to the labyrinth in the human ear, 32.  
 Triethylphosphine, on oxide of, 603.  
 Triphosphonium compounds, 189.  
 Tyndall (J.), note on the transmission of radiant heat through gaseous bodies, 37.  
 Ureas and so-called ureas, some remarks on, 598.  
 Urine, pathological importance of occurrence of phosphate of lime in, 281.  
 Ultra-elliptic functions, on a new method of approximation applicable to, 475.  
 Vacua, carbonic acid, luminous discharge of voltaic batteries in, 393.  
 —— indicated by the mercurial siphon-gauge and the electrical discharge, 274.  
 Vapour-densities, anomalous, 596.  
*Victoria Regia*, anatomy of, 14.  
 Voltaic battery, electrical discharge *in vacuo* with an extended series of, 36.  
 Voltaic discharge *in vacuo*, interruption of, by magnetic force, 269.  
 Walker (D.), observations made with the polariscope during the 'Fox' Arctic Expedition, 558.  
 Waller (A.), experiments on some of the various circumstances influencing cutaneous absorption, 122.  
 Wanklyn (J. A.) on the synthesis of acetic acid, 4.  
 Waters (A. T. H.) on the intimate structure, and the distribution of the blood-vessels, of the human lung, 16.  
 Weber (W. E.), Copley Medal awarded to, 172.  
 Welsh (J.), obituary notice of, xxxiv.  
 Williams (C. G.) on isoprene and caoutchouc, 516.  
 Wine, effects produced by, in blood-corpuscles, 186.  
 Wrottesley (Lord) on the application of the calculus of probabilities to the results of measures of the position and distance of double stars, 133.

END OF THE TENTH VOLUME.